

Title (en)
APERTURE SEAL STRUCTURE

Title (de)
ÖFFNUNGSABDICHTUNGSSTRUKTUR

Title (fr)
STRUCTURE DE JOINT D'ÉTANCHÉITÉ

Publication
EP 3669622 A1 20200624 (EN)

Application
EP 18846568 A 20180820

Priority
• US 201762547137 P 20170818
• US 2018047077 W 20180820

Abstract (en)
[origin: US2019059168A1] A seal structure includes a container, a sealant applied in liquid form that cures to a gel, and a cap that applies pressure to the gel. The container surrounds at least one opening in an assembly for the passage of elongated members such as wires. The container defines a chamber that is in communication with the opening and surrounds the wires passing through the opening. A closure spans the opening and is in contact with an inner end of the container. The chamber and the at least opening are partially filled with a predetermined quantity of sealant in liquid form, which cures into a viscous gel. The cap is configured to engage with the container and includes a platform that is positioned within the container and in contact with the gel sealant. In this arrangement, the cap applies positive pressure to the gel sealant.

IPC 8 full level
H05K 5/06 (2006.01); **H01R 13/52** (2006.01)

CPC (source: EP US)
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H05K 7/20445 (2013.01 - US); **H05K 7/2049** (2013.01 - US); **F21Y 2115/10** (2016.07 - US); **H05K 5/061** (2013.01 - US)

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